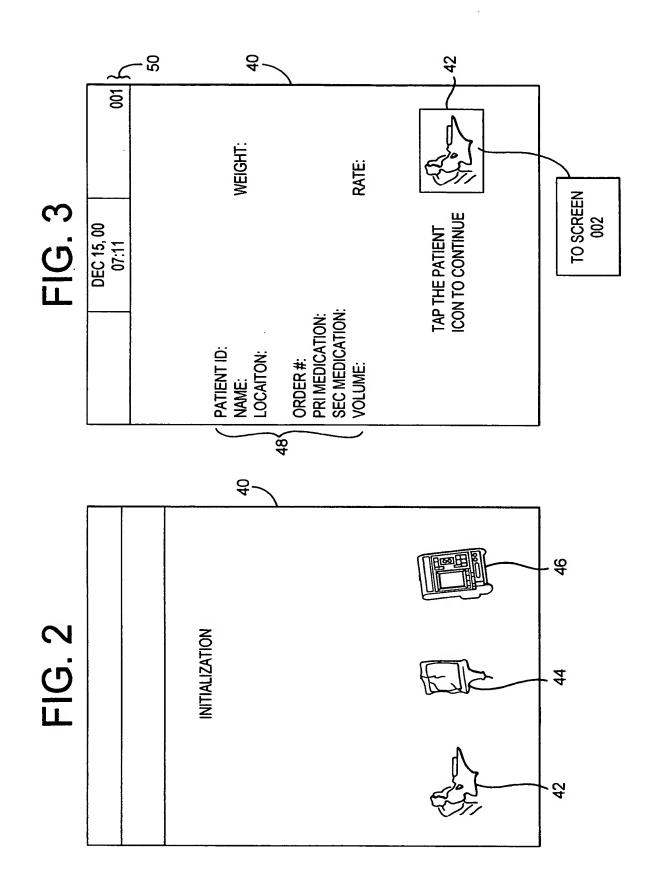
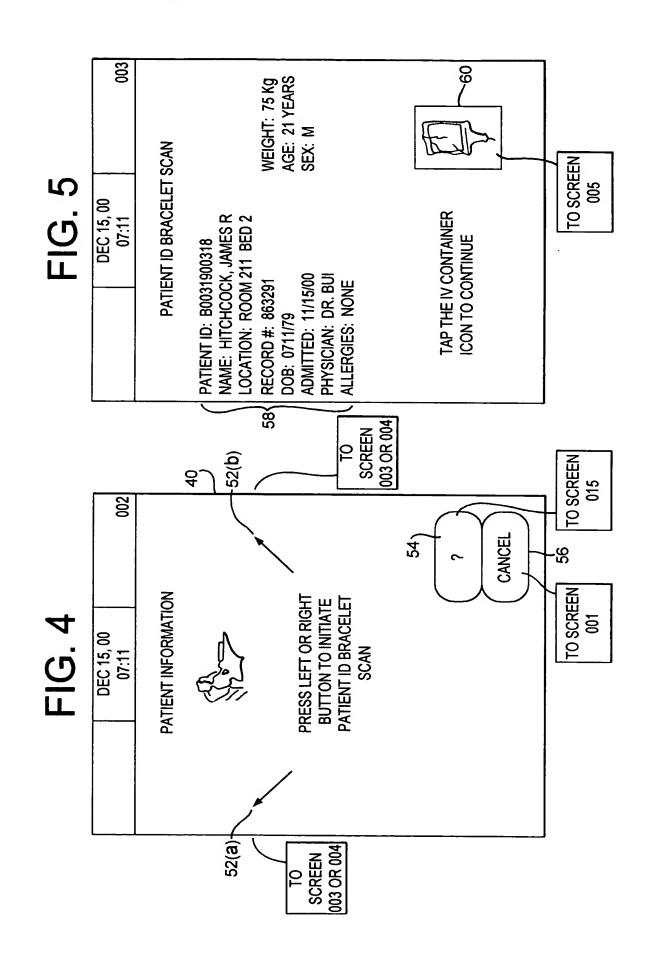
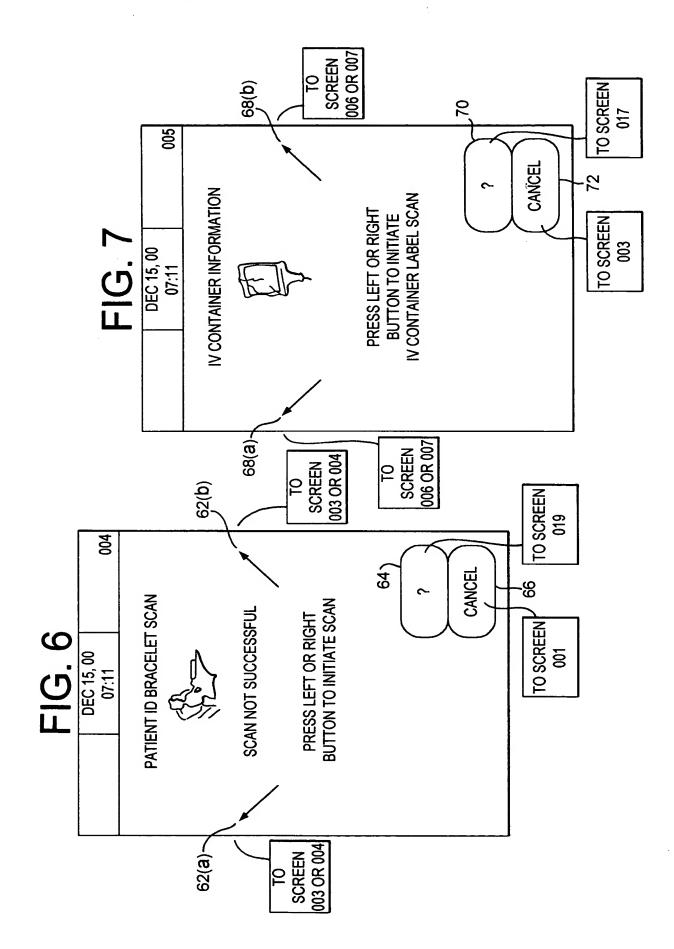
' , R\_

**†** 0 0 24 29-38, 38, 20 -28 -26 0 0 0 FIG. 1

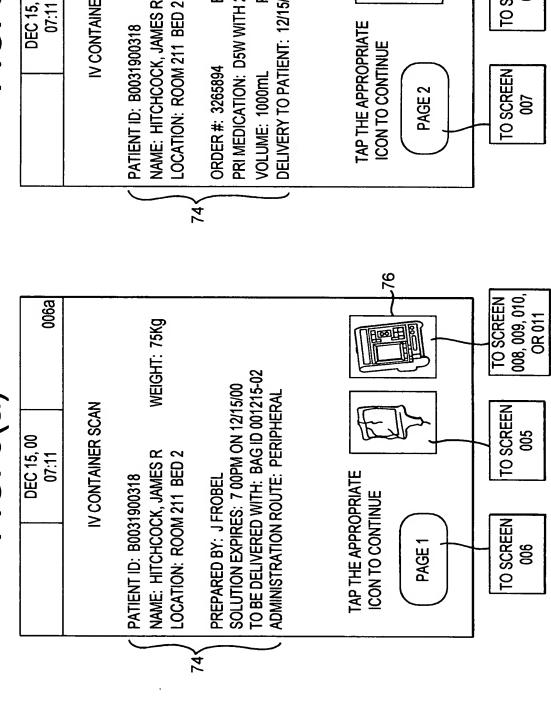


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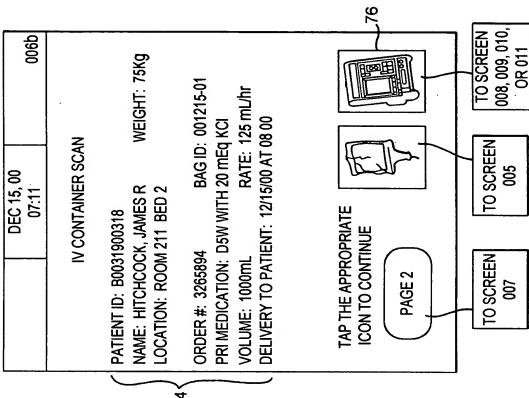


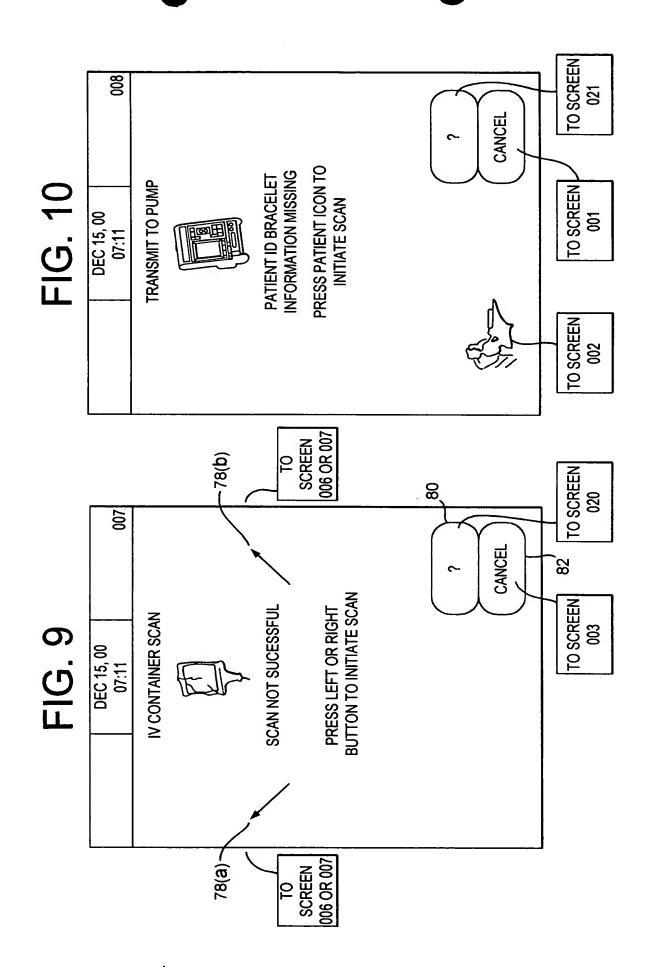


## FIG. 8(a)



#### FIG. 8(b)





-81 **TO SCREEN** 99 023 CANCEL PRESS APPROPRIATE ICON INFORMATION DOES NOT MATCH IV CONTAINER INFORMATION FIG. 12 PATIENT ID BRACELET TRANSMIT TO PUMP TO SCREEN **TO INITIATE SCAN** 9 **DEC 15, 00** 07:11 TO SCREEN TO SCREEN 005 TO SCREEN 66 022 CANCEL PRESS IV CONTAINER ICON IV CONTAINER INFORMATION MISSING FIG. 11 TRANSMIT TO PUMP **TO SCREEN** TO INITIATE SCAN 8 DEC 15, 00 07:11 **TO SCREEN** 005

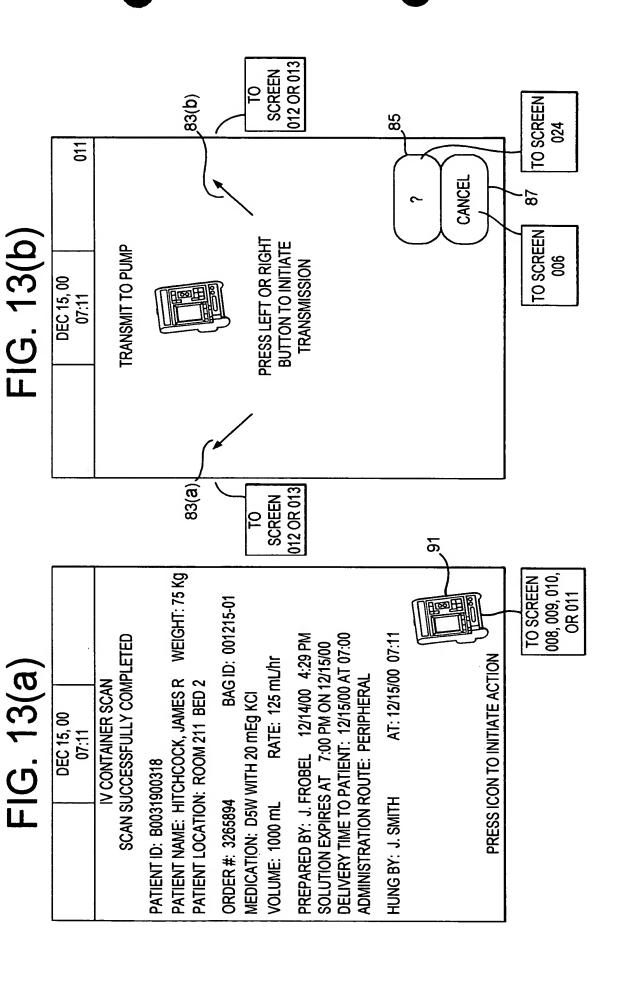
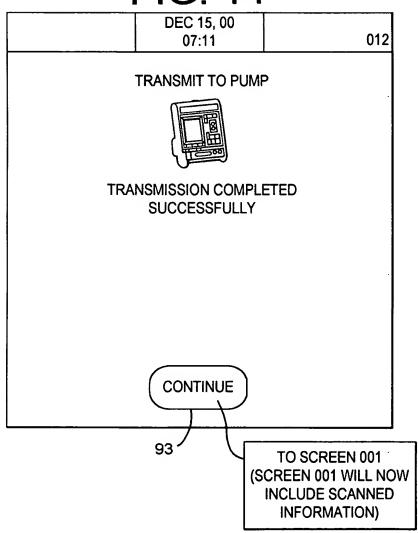
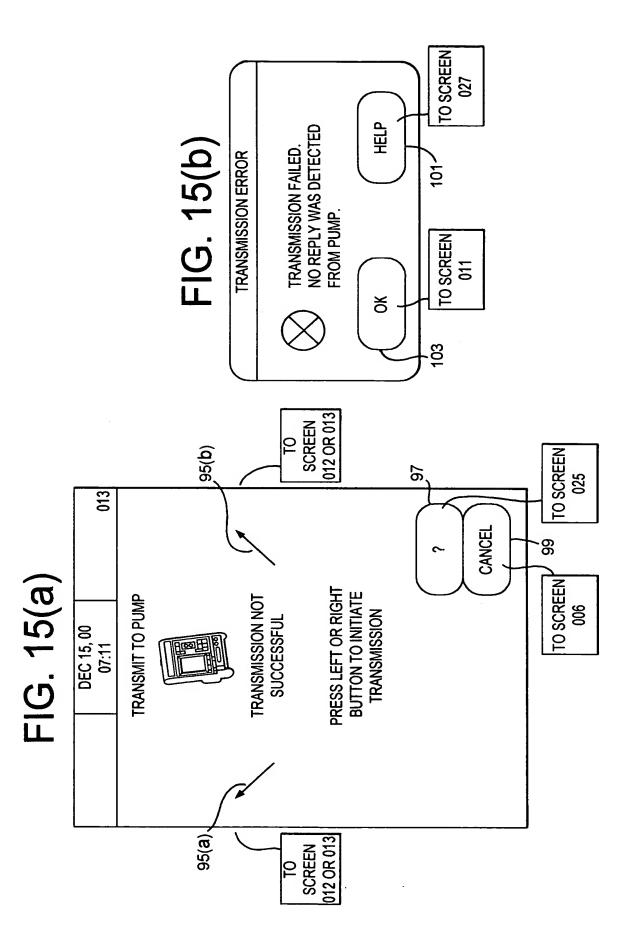
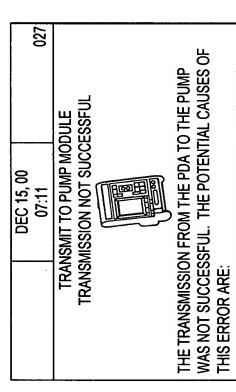


FIG. 14





### FIG. 15(c)



# FIG. 15(d) TRANSMISSION ERROR TRANSMISSION FAILED. MEDICATION PROGRAMMING IS OUTSIDE ACCEPTABLE PUMP RANGE. OK HELP

THE PUMP WAS NOT IN THE COMPUTER CONTROL
MODE AS INDICATED BY THE COMPUTER CONTROL
LEGEND ON THE PUMP NOT BEING LIT. TO PLACE THE
PUMP IN THE COMPUTER CONTROL MODE, PRESS THE
OPTIONS KEY LOCATED ON THE PUMP FRONT PANEL.
THE PUMP MODULE IS NOT CONNECTED TO THE PUMP.
THE PUMP HAS NOT BEEN CONFIGURED BY
AUTHORIZED PERSONNEL FOR COMPUTER CONTROL
USE.

TO SCREEN

109

TO SCREEN

107

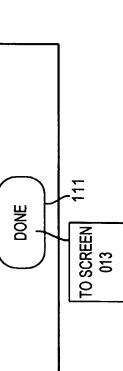
### FIG. 15(e)

# DEC 15, 00 07:11 TRANSMIT TO PUMP TRANSMISSION NOT SUCCESSFUL

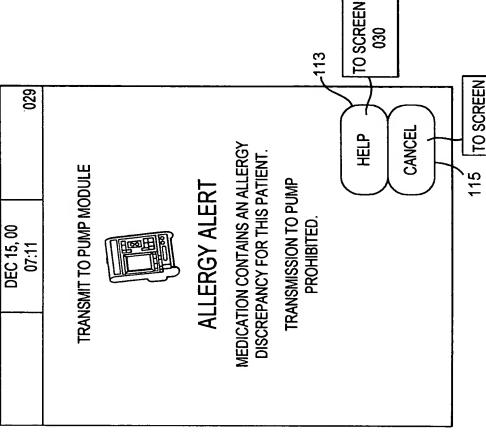
THE TRANSMISSION FROM THE PDA TO THE PUMP WAS NOT SUCCESSFUL.

THE MEDICATION PROGRAMMING PARAMETERS (eg. FLOW RATE, VOLUME TO BE DELIVERED, ETC.) WERE FOUND TO BE OUTSIDE ACCEPTABLE PROGRAMMING LIMITS FOR THE PUMP.

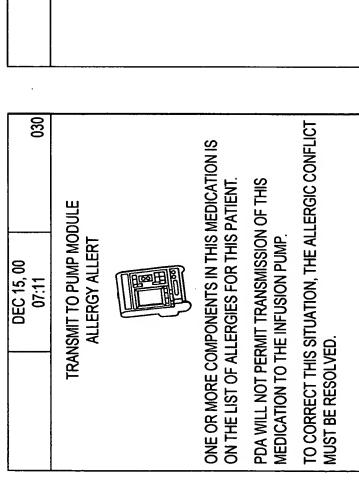
TO CORRECT THIS SITUATION, THE OFFENDING PARAMETER MUST BE ADJUSTED.



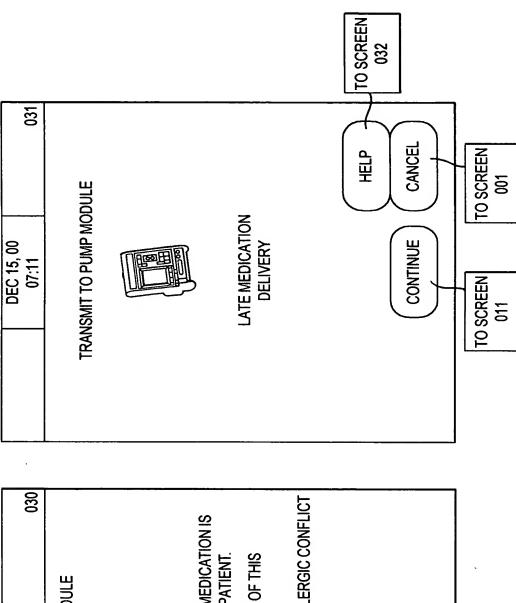
## FIG. 15(f)



## FIG. 15(g)



## FIG. 15(h)



DONE

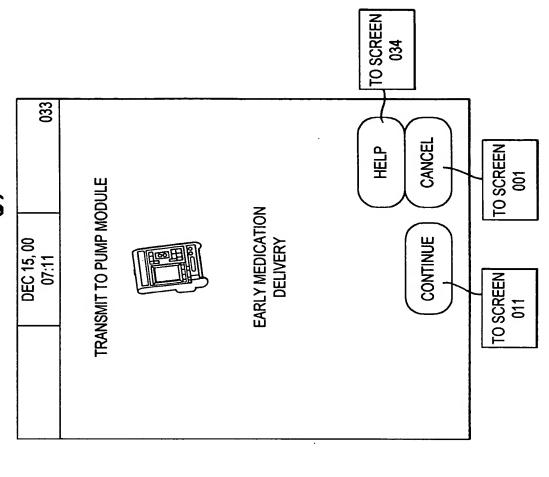
#### FIG. 15(i)

# TRANSMIT TO PUMP MODULE LATE MEDICATION DELIVERY LATE. THE PRESENT TIME IS AT LEAST ONE HOUR LATE. THE PRESENT TIME IS AT LEAST ONE HOUR LATE. THE PRESENT TIME IS AT LEAST ONE HOUR LATE. THE PRESENT TIME IS AT LEAST ONE HOUR TO THE PATIENT, PRESS THE CONTINUE BUTTON ON THE LATE MEDICATION DELIVERY SCREEN (SCREEN 29). IF YOU WOULD PREFER NOT TO DELIVER THIS MEDICATION TO THE PATIENT, PRESS THE CANCEL

DONE

TO SCREEN 031

## FIG. 15(j)



#### FIG. 15(k)

DEC 15, 00 07:11

030

TRANSMIT TO PUMP MODULE EARLY MEDICATION DELIVERY



THIS MEDICATION IS BEING DELIVERED TO THE PATIENT EARLY. THE PRESENT TIME IS AT LEAST ONE HOUR EARLIER THAN THE EXPECTED DELIVERY TIME.

IF YOU WOULD LIKE TO STILL DELIVER THIS MEDICATION TO THE PATIENT, PRESS THE CONTINUE BUTTON ON THE EARLY MEDICATION DELIVERY SCREEN (SCREEN 29).

IF YOU WOULD PREFER NOT TO DELIVER THIS MEDICATION TO THE PATIENT, PRESS THE CANCEL BUTTON.

DONE

DEC 15, 00 07:11		014
PATIENT ID: B0031900318		
PATIENT NAME: HITCHCOCK, JAMES R WEIGHT: 75Kg	S R W	EIGHT: 75Kg
PATIENT LOCATION: ROOM 211 BED 2	∃D 2	
MEDICAL RECORD #: 863291		
DATE OF BIRTH: 0711/79	AGE:	21 YEARS
DATE OF ADMISSION: 11/15/00	SEX	Σ
PRIMARY PHYSICIAN: DR. BUI		
		_

#### FIG. 17

cio 11:/0
PATIENT INFORMATION HELP
TO SCAN THE PATIENT'S ID BRACELET:
1. AIM THE BAR CODE SCANNER HEAD AT THE BAR CODE LOCATED ON THE PATIENT ID BRACELET.
2. POSITION THE BAR CODE SCANNER WINDOW FROM ONE TO FIVE INCHES FROM THE BAR CODE.
3. PRESS THE LEFT OR RIGHT BUTTON TO INITIATE THE PATIENT ID BRACELET SCAN.
CANCEL

TO SCREEN 002

CONTINUE

TO LAST ACTIVE SCREEN

DEC 15, 00 07:11 016
PATIENT ID: B0031900318 PATIENT NAME: HITCHCOCK, JAMES R WEIGHT: 75 Kg PATIENT LOCATION: ROOM 211 BED 2
ORDER #: 3265894 BAG ID: 001215-01 MEDICATION: D5W WITH 20 mEg KCI VOLUME: 1000 mL RATE: 125 mL/hr
PREPARED BY: J. FROBEL 12/14/00 4:29 PM SOLUTION EXPIRES AT 7:00 PM ON 12/15/00 DELIVERY TIME TO PATIENT: 12/15/00 AT 07:00 ADMINISTRATION ROUTE: PERIPHERAL

#### FIG. 19

IV CONTAINER INFORMATION HELP TO SCAN THE IV CONTAINER BAR CODE:  1. AIM THE BAR CODE SCANNER HEAD AT THE BAR CODE LOCATED ON THE IV CONTAINER LABEL  2. POSITION THE BAR CODE SCANNER WINDOW FROM ONE TO FIVE INCHES FROM THE BAR CODE THE IV CONTAINER LABEL SCAN  THE IV CONTAINER LABEL SCAN  CANCEL
--

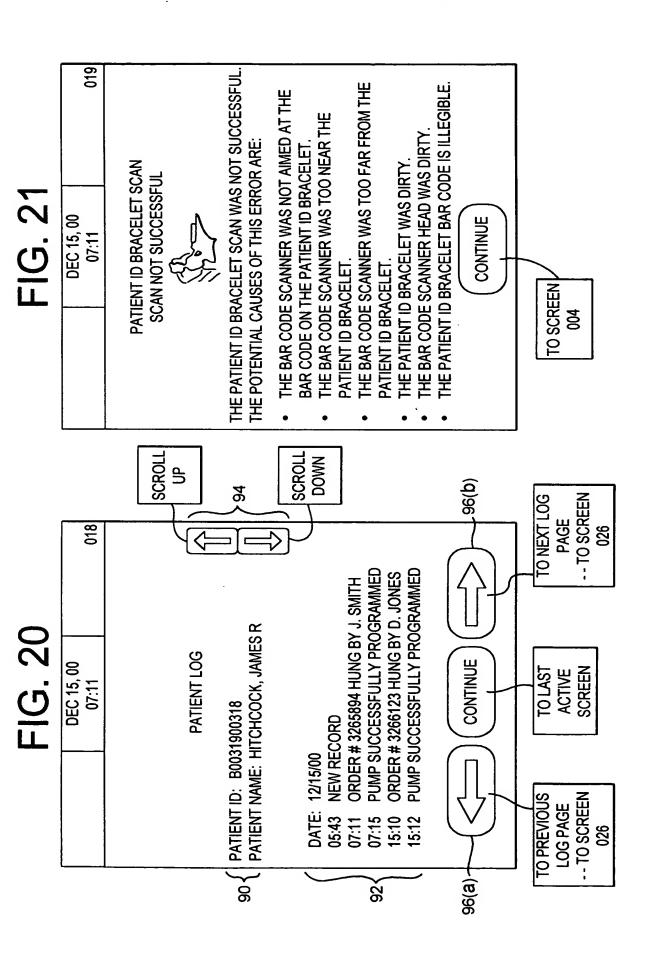
AT: 12/15/00 07:11

HUNG BY: J. SMITH

CONTINUE

TO SCREEN 005

TO LAST ACTIVE SCREEN



020	SCAN	S NOT SUCCESSFUL.
DEC 13, 00	IV CONTAINER LABEL SCAN	り
07:11	SCAN NOT SUCCESSFUL	THE IV CONTAINER LABEL SCAN WAS NOT SUCCESSFUL.

THE IV CONTAINER LABEL SĆAN WAS NOT SUCCESSFUI THE POTENTIAL CAUSES OF THIS ERROR ARE:

- THE BAR CODE SCANNER WAS NOT AIMED AT THE BAR CODE ON THE IV CONTAINER LABEL.
  - THE BAR CODE SCANNER WAS TOO NEAR THE IV
- THE BAR CODE SCANNER WAS TOO FAR FROM THE IV CONTAINER LABEL.
- THE IV CONTAINER LABEL WAS DIRTY.
- THE BAR CODE SCANNER HEAD WAS DIRTY.
- THE IV CONTAINER LABEL BAR CODE IS ILLEGIBLE.

CONTINUE

TO SCREEN 007

#### FIG. 23

0		
DEC 15, 00 07:11	TRANSMIT TO PUMP	PATIENT ID BRACELET INFORMATION MISSING
	ł	

121



IN ORDER TO TRANSMIT INFORMATION TO THE PUMP BOTH THE PATIENT ID BRACELET AND IV CONTAINER INFORMATION MUST BE PRESENT AND CORRESPOND TO EACH OTHER.

THE PATIENT ID BRACELET INFORMATION WAS FOUND TO BE MISSING.

TO CORRECT THIS SITUATION, SCAN THE PATIENT BRACELET BAR CODE INFORMATION INTO THE PALM

CONTINUE

DEC 15, 00	
07:11 022	
TRANSMIT TO PUMP	
IV CONTAINER INFORMATION MISSING	
IN ORDER TO TRANSMIT INFORMATION TO THE PUMP BOTH THE PATIENT ID BRACELET AND IV CONTAINER	
INFORMATION MUST BE PRESENT AND CORRESPOND TO EACH OTHER.	

#### FIG. 25

	MATCH IV CONTAINER INFORMATION
	PATIENT ID BRACELET DOES NOT
	TRANSMIT TO PUMP
023	07:11
	DEC 15, 00



INFORMATION MUST BE PRESENT AND CORRESPOND IN ORDER TO TRANSMIT INFORMATION TO THE PUMP BOTH THE PATIENT ID BRACELET AND IV CONTAINER TO EACH OTHER.

TO NOT MATCH THE IV CONTAINER LABEL INFORMATION. TO CORRECT THIS SITUATION, SCAN THE APPROPRIATE THE PATIENT ID BRACELET INFORMATION WAS FOUND BAR CODE INFORMATION INTO THE PALM PILOT.

TO CORRECT THIS SITUATION, SCAN THE IV CONTAINER

THE IV CONTAINER INFORMATION WAS FOUND

TO BE MISSING.

LABEL BAR CODE INFORMATION INTO THE PALM

CONTINUE

**TO SCREEN** 

CONTINUE

	024
 DEC 15, 00	07:11

TRANSMIT TO PUMP



TO TRANSMIT INFORMATION TO THE PUMP:

- AIM THE IR WINDOW LOCATED ON THE BOTTOM RIGHT OF THE PALM PILOT AT THE IR WINDOW LOCATED ON THE TOP LEFT OF THE PUMP.
- APPROXIMATELY SIX INCHES TO THREE FEET FROM POSITION THE PALM PILOT IR WINDOW THE PUMP.
- PRESS THE TRANSMIT BUTTON ON THE PALM PILOT.

CONTINUE **TO SCREEN** 

#### FIG. 27

-    -  -	DEC 15, 00
•	

025

07:11

TRANSMISSION NOT SUCCESSFUL TRANSMIT TO PUMP



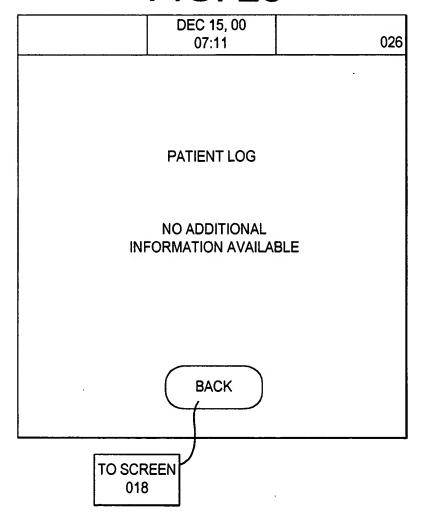
PUMP WAS NOT SUCCESSFUL. THE POTENTIAL CAUSES THE TRANSMISSION FROM THE PALM PILOT TO THE OF THIS ERROR ARE:

- THE PALM PILOT IR WINDOW WAS NOT AIMED AT THE PUMP IR WINDOW.
- THE PALM PILOT IR WINDOW WAS TOO NEAR THE PUMP IR WINDOW.
- THE PALM PILOT IR WINDOW WAS TOO FAR FROM THE PUMP IR WINDOW.
- THE PALM PILOT IR WINDOW WAS DIRTY
  - THE PUMP IR WINDOW WAS DIRTY.

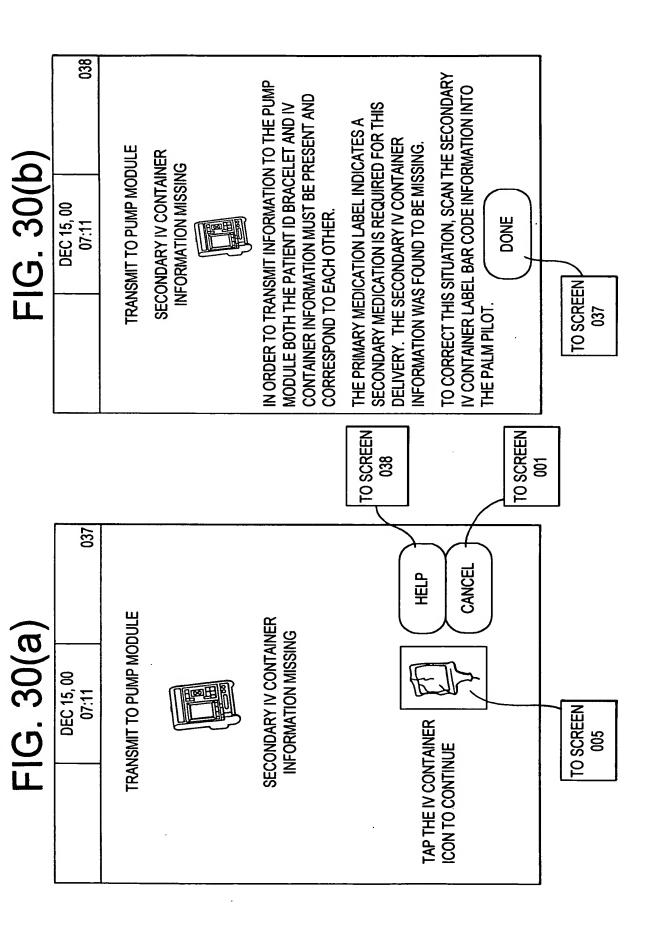
CONTINUE

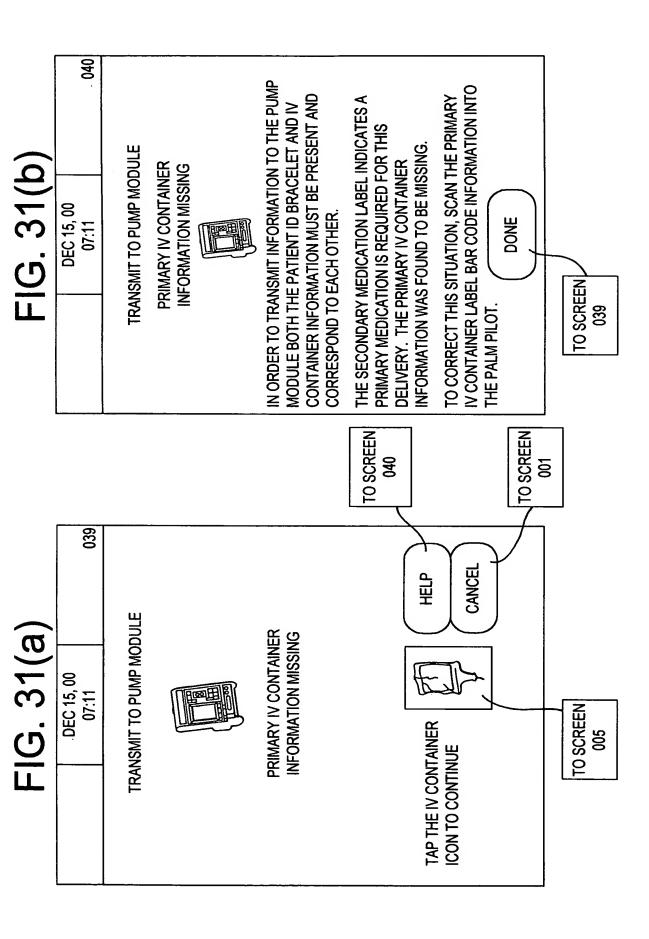
**10 SCREEN** 013

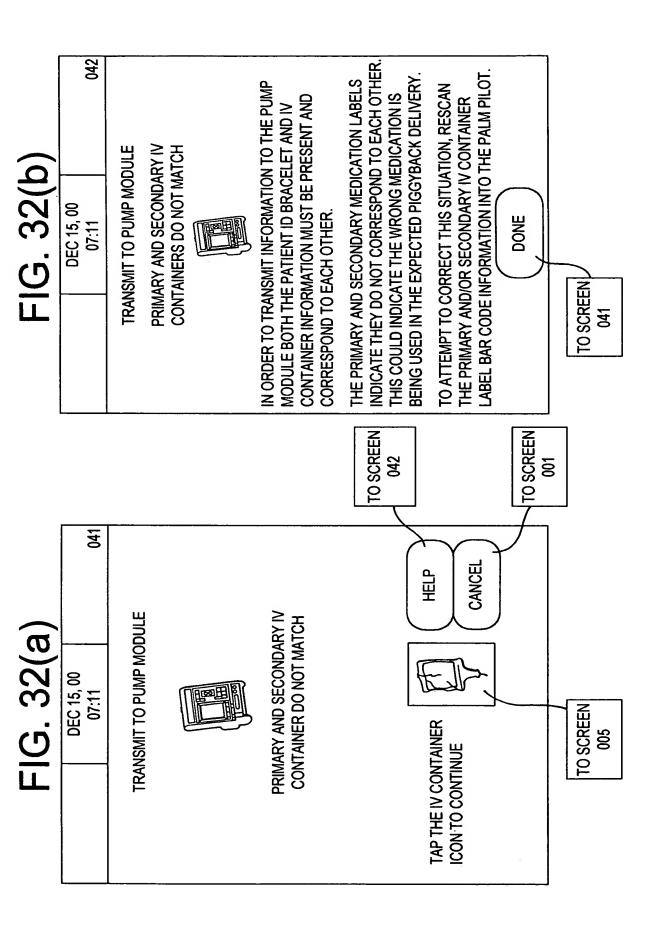
FIG. 28



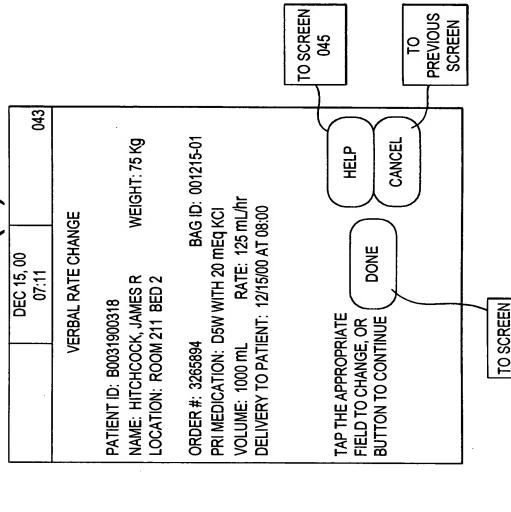
#### TO SCREEN 008, 009, 010 or 011 036 WEIGHT: 75 Kg TO SCREEN FIG. 29(b) SOLUTION EXPIRES: 7:00 PM ON 12/15/00 905 IV CONTAINER SCAN ADMINISTRATION ROUTE: PERIPHERAL DEC 15, 00 07:11 LOCATION: ROOM 211 BED 2 NAME: HITCHCOCK, JAMES R PREPARED BY: J. FROBEL PATIENT ID: B0031900318 TO BE DELIVERED WITH: TAP THE APPROPRIATE **ICON TO CONTINUE** PAGE 1 **TO SCREEN** 035 TO SCREEN 008, 009, 010 or 011 035 WEIGHT: 75 Kg BAG ID: 001215-01 DELIVERY TO PATIENT: 12/15/00 AT 7:00 FIG. 29(a) **TO SCREEN** IV CONTAINER SCAN 50 m∐hr 905 DEC 15, 00 07:11 SEC MEDICATION: ZYTHROMAX LOCATION: ROOM 211 BED 2 NAME: HITCHCOCK, JAMES R VOLUME: 50 mL RATE: PATIENT ID: B0031900318 TAP THE APPROPRIATE **ICON TO CONTINUE** ORDER #: 3265894 PAGE 2 TO SCREEN 036





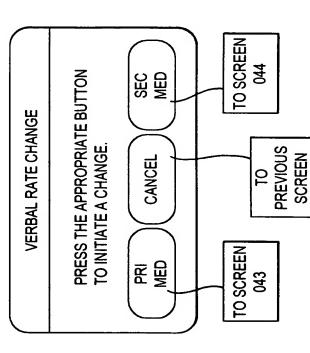


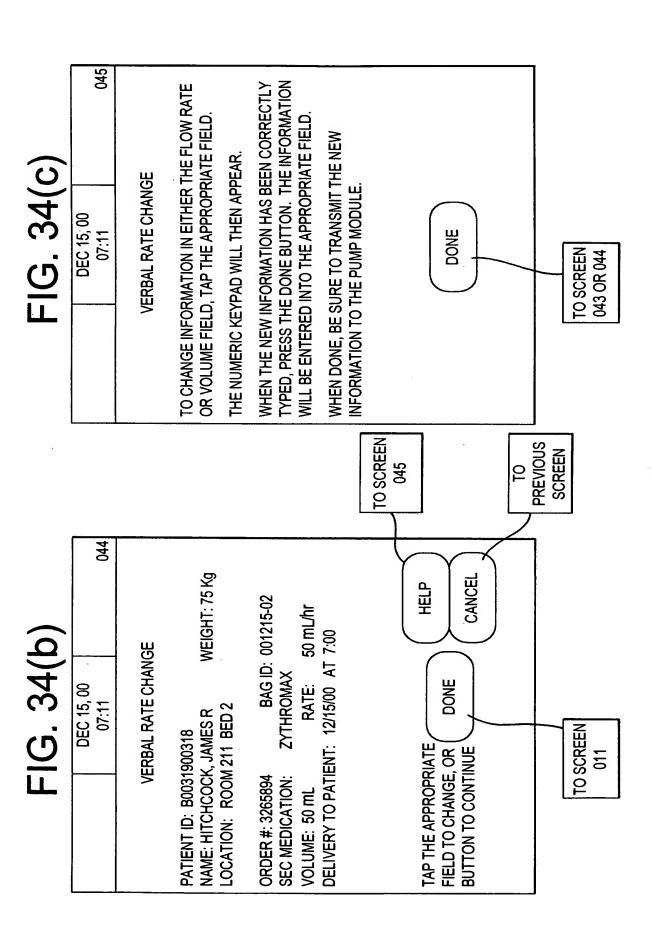
# FIG. 34(a)

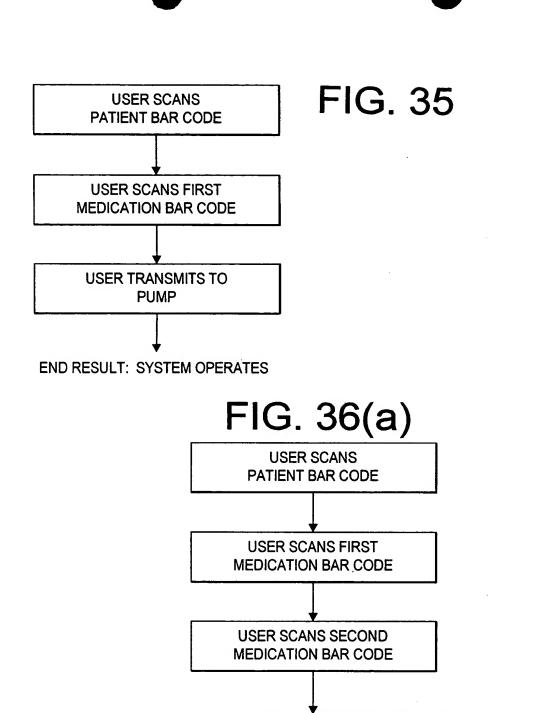


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#### FIG. 33







POP-UP MESSAGE WINDOW APPEARS TELLING USER THAT TWO MEDICATIONS HAVE BEEN SCANNED

DO THEY WANT TO

PROCEED WITH TWO

**MEDICATIONS?** 

NO

**SCENARIO 4** 

YES

**SCENARIO 3** 

FIG. 36(b)

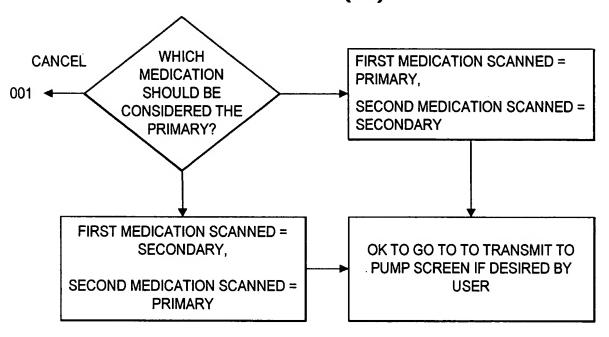
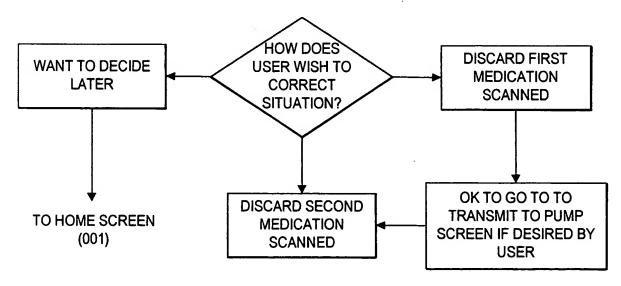


FIG. 36(c)



7C. 37
Xi
MULTIPLE CONTAINERS
SELECT THE MEDICATION YOU WANT TO USE
MEDICATION:
✓ KEEP THIS MEDICATION
MEDICATION :
✓ KEEP THIS MEDICATION
MEDICATION :
✓ KEEP THIS MEDICATION

X	MULTIPLE CONTAINERS SELECT THE PRIMARY AND SECONDARY MEDICATIONS	MEDICATION : SECONDARY	MEDICATION : O PRIMARY © SECONDARY	CANCEL OK
---	--	------------------------	------------------------------------	-----------

숭

CANCEL

? ×

TRANSMIT TO PUMP MODULE



#### **ALLERGY ALERT**

MEDICATION CONTAINS AN ALLERGY DISCREPANCY FOR THIS PATIENT.

TRANSMISSION TO PUMP MODULE PROHIBITED.

**CANCEL**